

COMPETITION CATEGORIES

Students can design safety systems from any of the following categories that parallel current global vehicle safety research priorities:

Crash Avoidance Technologies

Restraint System Enhancement

Post Crash Safety

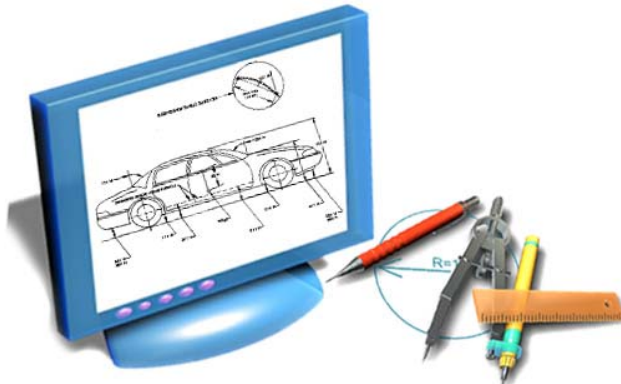
Impaired Driving Countermeasures

Crash Compatibility

Distraction Mitigation

Dummy Design and Instrumentation

Pedestrian Injury Mitigation



FOR COMPETITION INFORMATION

<http://www-esv2005.nhtsa.dot.gov>



Asia-Pacific I, Region 1
Society of Automobile Engineers in Japan
Toshimi Yamanoi, JSAE
10-2 Gobancho, Chiyoda-ku,
Tokyo 102-0076 JAPAN
Telephone: +81-3-3262-8211
Email: yamanoi@isae.or.jp

Asia-Pacific II, Region 1
Society of Automotive Engineers, Australasia
Stuart Charity, SAE-Australasia
Suite 3, 21 Vale Street,
North Melbourne, VIC, 3051
Telephone: +613-9326-7166
Email: executive@sae-a.com.au

Europe, Region 2
European Enhanced Vehicle-safety Committee
Dominique Cesari, INRETS
25 Avenue Francois Mitterand
Bron Cedex, F-69675 FRANCE
Telephone: +33-4-7214-2570
Email: Dominique.cesari@inrets.fr

North America, Region 3
Arthur Carter, NHTSA
400 7th Street, SW
Washington, DC 20590 USA
Telephone: 202-366-5669
Email: Arthur.Carter@nhtsa.dot.gov

ESV Technical Coordinator
Donna Gilmore, NHTSA
400 7th Street, SW
Washington, DC 20590, USA

ESV/2005 Organizing Committee Chairman
Joseph Kianthra, NHTSA
400 7th Street, SW
Washington, DC 20590, USA

U.S. Department of Transportation

ESV International Collegiate Student Safety Technology Design Competition

**The 19th International Technical
Conference on the Enhanced
Safety of Vehicles**

**June 6 – 9, 2005
Washington, DC**



The 19th International Technical Conference on the Enhanced Safety of Vehicles

BACKGROUND

The 19th International Technical Conference on the Enhanced Safety of Vehicles (ESV) will host a Student Safety Technology Design Competition. This competition gives young scholars from North America, Europe, and Asia-Pacific, an exciting opportunity to design, build, and demonstrate a cost effective conceptual scale model of a vehicle safety technology.

OBJECTIVE

The final design shall focus on (1) a real-world vehicle safety problem and (2) on reducing the number of crashes and/or mitigating the resulting injuries and preventing fatalities.

COMPETITION DETAILS

Teams consisting of university level seniors and/or graduate students, guided by one faculty advisor, are invited to submit a 300-word abstract related to one of the eight global vehicle safety research priorities. The abstracts will be reviewed by a panel of safety engineers representing leaders in the field of automotive/vehicle safety in each of the three geographical regions.

A maximum of five teams from each region will be invited to participate in the regional competition.

Each team that accepts the invitation to participate will receive \$2,000 toward its design effort.

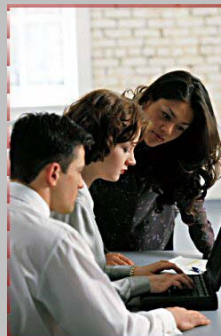
Teams are encouraged to seek corporate sponsorship to assist with costs associated with the design effort. Sponsorship is limited to \$3,000 per team.

For the regional competition, the teams will be required to design and build a scale model prototype of a vehicle safety technology. The team must also prepare a six-page report of the design and a corresponding presentation.

A panel of safety experts will visit each team's school in March 2005 to evaluate the designs and to select two team finalists per region, for a total of six international finalists.

The finalists will be invited to come to Washington, DC, to demonstrate and display their prototype devices during the final competition at the 19th International Technical Conference on the Enhanced Safety of Vehicles (ESV) in Washington, DC, June 6-9, 2005. An international panel of judges will select one first place winner and one runner up, both of whom will receive a plaque and recognition for their achievements from vehicle safety engineering experts from around the globe.

Finalists must arrange for their own travel and lodging expenses to attend the ESV Conference. Registration fees will be waived for a maximum of two team members from each of the six international finalists.



IMPORTANT DATES

Entry Deadline

November 1, 2004

Notification of Selected Applicants

November 15, 2004*

Design Evaluation

March 14 –25, 2005

Notification of Finalists

April 4, 2005

International Winner Selected

June 9, 2005

***NOTE:** Dates may vary by region, please contact your regional coordinator.